Date: 11/6/15

SAFETY DATA SHEET

SDS PREPARATION DATE: 11/6/2015, Version 1

Section 1 - Identification

GHS product identifier	:	Ironcore Black Primer
Chemical name	:	Mixture
Synonyms	:	Coatings
Product type	:	
Material use	:	Paint and Coatings
Supplier's details	:	Giani, Inc.
ADDRESS		2216 North Broadway St. Louis, MO 63102 Information (314) 241-7771
Emergency telephone number	:	CHEMTREC 800-424-9300 or 703-527-3887

Section 2 – Hazardous Identification

GHS Classification
According to Regulation 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
No need for classification according to GHS criteria for this product.

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified

Label Elements

Signal Word
Warning

Hazard Statements:

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

Precautionary Statements: **Disposal**

P501	Dispose of contents/container according to applicable local, national, and international regulations.

Precautionary Statements: Prevention

P233	Keep container tightly closed.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.

Precautionary Statements: Response

P303+P361+P353	If on skin (or hair): Rinse skin with water/shower.
P370+P378	In case of fire: use recommended media to extinguish.
P304+P340	If Inhaled: Remove person to fresh air and keep comfortable for breathing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P312	Call a POISON CONTROL CENTER/doctor if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (see supplemental first aid instruction on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.

Precautionary Statements: Storage

P403+P235	Store in a well-ventilated place. Keep cool.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Hazards not otherwise classified
No specific dangers known, if the regulations/notes for storage and handling are considered

Section 3 – Composition/information on ingredients

Component	Concentration	CAS number	GHS Symbols	GHS Statements
Water	64.71% - 69.71%	7732-18-5	N.A.	N.A
Vehicle	19.24% - 24.24%	non-hazardous proprietary	N.A.	N.A.
Tetramethyl-5-decyne -4,7-Diol, 2,4,7,9-,	00.19% – 00.99%	126-86-3	GHS05, GHS07	H302-315-317-318
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	00.68% - 01.68%	9014-85-1	GHS05	H318
carbon black	03.48% - 05.48%	1333-86-4	N.A.	N.A.
talc	04.19% - 06.19%	14807-96-6	N.A.	N.A.
polypropylene glycol	00.43% - 00.93%	25322-69-4	N.A.	N.A.
polyethylene glycol	00.36% - 00.86%	25322-68-3	N.A.	N.A.
propylene glycol	01.63% - 05.63%	57-55-6	N.A.	N.A.
dipropylene glycol monomethyl ether	01.53% - 03.53%	34590-94-8	N.A.	N.A.
Calcium Carbonate	20.97% - 25.97%	1317-65-3	N.A.	N.A.
ammonium hydroxide	00.03% - 00.09%	1336-21-6	GHS05, GHS07	H302-314-335
bentonite	00.55% - 00.99%	1302-78-9	N.A.	N.A.

All concentrations are percent by weight
The identity of components and / or exact percentage composition may have been withheld as a trade secret.

Section 4 - First Aid Measures

Description of first aid measures

General advice:
Remove contaminated clothing
If inhaled:
Remove the affected individual into fresh air and keep the person calm. Seek medical attention.
If on skin:
Wash thoroughly with soap and water. If irritation develops, seek medical attention.
If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.
If irritation develops, seek medical attention.
If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.
Most important symptoms and effects, both acute and delayed
Symptoms: The most important known symptoms and affects are described in the labeling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed
Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media	CO2, dry powder, dry sand, foam.
Unsuitable Extinguishing Media	Water in a jet
Flash Point	75 °C / 167 °F
Autoignition Temperature	207 °C / 405 °F
Explosion Limits	Not determined
Upper	14.0 vol%
Lower	1.1 vol%
Sensitivity to Mechanical Impact	None expected
Sensitivity to Static Discharge	None expected

Specific Hazards Arising from the substance or mixture
Hazards during fire-fighting:
Harmful vapors
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective Equipment and Precautions for Firefighters
Firefighters should be equipped with self-containing breathing apparatus and turn-out gear.

Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

NFPA

Health	Flammability	Instability	Physical hazards
2	1	0	

Section 6 - Accidental Release Measures

Further accidental release measures:
High risk of slipping due to leakage/spillage of product.

Personal Precautions Use personal protective clothing.

Environmental Precautions Do not discharge into drains/surface waters/ground water.

Methods for Containment and Clean up For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbent material in accordance with regulations.
For large amounts: Pump off product.

Section 7 - Handling and Storage


Handling
Wear personal protective equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using, do not eat, drink or smoke. Avoid release to the environment.

Storage
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Keep from freezing.

Section 8 - Exposure Controls, Personal Protection

Ingredients Occupational exposure limits:

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Calcium Carbonate	N.D.	N.D	5 mg/m3 (respirable fraction)	N.D.
Ammonium Hydroxide	18 mg/m3	27 mg/m3	35 mg/m3	N.D.
Dipropylene glycol Monomethyl ether	100 ppm	150 ppm	600 mg/m3	N.D.
carbon black	3.0 mg/m3 inhalable	N.D.	3.5 mg/m3 inhalable	N.D.

Personal Protective Equipment

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Chemical resistant protective gloves.

Eye Protection: Wear safety glasses with side shields (or goggles).

Other Protective Equipment: Wear protective clothing as necessary to minimize contact..

Hygienic Practices: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all SDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

Section 9 - Physical and Chemical Properties

Physical State	Liquid
Appearance	Black
Odor	odorless
Odor Threshold	No information available
pH	8.0 – 10.50
Melting Point/Range	No information available
Boiling Point/Range	100 °C / 212 °F
Flash Point (closed cup Setaflash)	75 °C / 167 °F
Evaporation Rate	Slower than ether
Flammability (solid,gas)	N.A.
Flammability or explosive limits	
Upper	14.0 vol%
Lower	1.1 vol%
Vapor Pressure mmHg @ 21°C	not determined
Vapor Density	Heavier than air
Relative Density	1.24
Formula Weight per Volume	10.34 Pound/Gallon
VOC g/l / lb./gallon	91.96 / 0.77
HAPS	0.00%
Percent Volatile by Weight	51.57%
Percent Volatile by Volume	61.30%
Solubility	soluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	405 °F / (207 °C)
Decomposition Temperature	*No information available*
Viscosity Krebs unit	60 – 80 ku

Section 10 - Stability and Reactivity

Reactive Hazard	No hazardous reactions if stored and handled as prescribed/indicated.
Oxidizing properties	Not an oxidizer.
Chemical Stability	Stable if stored and handled as prescribed/indicated.
Conditions to Avoid	See SDS section 7 – Handling and storage.
Incompatible Materials	Strong oxidizing agents, Acids, Bases
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO2), Sulfur oxides
Thermal decomposition	Stable up to boiling point.
Hazardous Reactions	No hazardous reactions when stored and handled according to instructions.

Section 11 - Toxicological Information

Effect of Overexposure - inhalation: No adverse effects due to inhalation are expected.

Effect of Overexposure - skin contact: causes skin irritation. allergic reactions are possible. prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Effect of Overexposure - eye contact: liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Effect of overexposure - ingestion: this material may be harmful or fatal if swallowed. irritating to mouth, throat and stomach.
Primary route(s) of entry: eye contact, ingestion, inhalation, skin absorption, skin contact

STOT - Single Exposure
Based on single exposure toxicity values, not classified.

STOT - Repeated Exposure Target Organs:
Based on repeated exposure toxicity values, not classified.

Carcinogenicity: The information below indicates whether each agency has listed any ingredient as a carcinogen if present at levels greater than or equal to 0.1 %.

CAS-No.	Name	NTP	OSHA	IARC
1333-86-4	Carbon Black	Not labeled by NTP	Not labeled by OSHA	2B

National Toxicological Program (NTP), Occupational Safety & Health Association (OSHA), International Agency for Research on Cancer (IARC) Group 1: Carcinogenic to Humans, Group 2A: Probably Carcinogenic to Humans, Group 2B: Possibly Carcinogenic to Humans, Group 3: Not Classifiable as to its Carcinogenicity to Humans

Acute Toxicity Values
The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Name	Oral LD50 (mg/kg)	Dermal LD50 (mg/kg)	Vapor LC50 (mg/L)
57-55-6	Propylene Glycol	>5000 (rat)	>2000 (rabbit)	4 h > 20 (rat)
1333-86-4	Carbon Black	>8000 (rat)	No data available	No data available
126-86-3	Tetramethyl-5-decyne -4,7-Diol, 2,4,7,9-,	>2,000 (rat)	> 2,000 (rat)	1 h >20 (rat)
9014-85-1	Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	6,300 (rat)	> 2,000 (rabbit)	1 h >20 (rabbit)
1302-78-9	bentonite	>2,000 (rat)	No data available	>= 5.27 (rat)
34590-94-8	dipropylene glycol monomethyl ether	>5,000 (rat)	9510 mg/kg (rabbit)	7 h 3.35 mg/l (rat)

Section 12 - Ecological Information

Ecotoxicity
Do not flush into surface water or sanitary sewer system.

Ecotoxicity Toxic to aquatic life. Based on acute aquatic toxicity values, not classified.

Toxicity to fish (Acute toxicity)	Low acute toxicity to fish
Toxicity to daphnia and other aquatic invertebrates (Acute toxicity)	Low acute toxicity to aquatic invertebrates.
Toxicity to algae (Acute toxicity)	Low toxicity to algae.
Toxicity to fish (Chronic toxicity)	Data not available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	Low chronic toxicity to aquatic invertebrates. Data not available
Toxicity to bacteria (Acute toxicity)	Low toxicity to sewage microbes.
Persistence and Degradability	Expected to be biodegradable
Bioaccumulation/ Accumulation	Not expected to bioaccumualte
Mobility	No information available

Section 13 - Disposal Considerations

Waste Disposal Methods

Waste disposal of substance: Dispose of contents/container in accordance with local/regional/national regulations. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste under RCRA.
Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14 - Transport Information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT – Not Regulated
DOT Proper Shipping Name: Paint Related Material Non Hazardous
DOT Hazard Class: Not Regulated
DOT UN/NA Number: Not Regulated
This material is not regulated as a dangerous good and can be shipped as a NON HAZARDOUS

Section 15 - Regulatory Information

FEDERAL REGULATIONS:
This product is considered non-hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200
CERCLA - SARA Hazard Category
This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
None
SARA 302 Extremely Hazardous Material: No
SARA 304 CERCLA Product

Chemical Name	CAS Number	Pct by Wt.	RQ (lbs)

This product contains no known chemicals regulated under SARA 302/304.
SARA 311/312 Not Hazardous
Acute Health Hazard
SARA (313) Components in concentrations above the de minimus levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements in section 313 of SARA.

Name	CAS-No.

This product contains no known chemicals regulated under SARA 313.
State Regulations
New Jersey right-to-know:

Propylene Glycol	57-55-6
Carbon Black	1333-86-4
Polypropylene glycol	25322-69-4
Talc	14807-96-6

Pennsylvania right-to-know:

Propylene Glycol	57-55-6
Carbon Black	1333-86-4
Calcium Carbonate	1317-65-3
Polypropylene glycol	25322-69-4
Talc	14807-96-6
dipropylene glycol monomethyl ether	34590-94-8

Massachusetts right-to-know:

Carbon Black	1333-86-4
Calcium Carbonate	1317-65-3
Talc	14807-96-6

Minnesota right-to-know:

Calcium Carbonate	1317-65-3

California Proposition 65 Carcinogens
Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS-No.	
Carbon Black	1333-86-4	The listing is for carbon black (airborne, unbound particles of respirable size) and does not cover carbon black when it remains within a product matrix.

California Proposition 65 Reproductive Toxins
Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.
No Proposition 65 Reproductive Toxins exist in this product.

Toxic Substances Control Act:
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:
No TSCA 12(b) components exist in this product.

Country	Regulatory list	Notification
USA	TSCA	This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.
EU	EINECS	This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).
Canada	DSL	This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).
Australia	AICS	This product, or its components, are listed on or are exempt from the Australian Chemical Substance List (AICS).
Japan	ENCS	This product, or its components, are not listed on or are exempt from the Japanese Chemical Substance List (ENCS)
South Korea	ECL	This product, or its components, are not listed on or are exempt from the Korean Chemical Substance List (ECL).
China	SEPA	This product, or its components, are listed on or are exempt from the Chinese Chemical Substance List (SEPA).
Philippines	PICCS	This product, or its components, are not listed on or are exempt from the Philippine Chemical Substance List (PICCS).

No other Regulatory Information!

Section 16 - Other Information

HMIS® Hazard Ratings: Health - 2, Flammability - 1, Physical Hazard – 0
HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

CONEG Heavy Metal: We confirm that we use packaging and/or packaging components in which the sum of the incidental concentration levels of lead, mercury, cadmium and hexavalent chromium do not exceed 100 parts per million by weight.

Prepared By Environmental, Health and Safety Department
Email: info@espinc.us

Creation Date 11/06/15
Revision Date
Print Date 11/06/15

replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Disclaimer
The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.
NON-WARRANTY: Any recommendation of Giani, Inc. contained herein covering use, utilization, chemical or physical properties and other qualities of the products sold is believed reliable; however, Giani, Inc. makes no warranty or representation with respect thereto. Use or application of any Giani, Inc. product is at the discretion of the Buyer without liability or obligation whatsoever of Giani, Inc.

Date: 11/6/15

SAFETY DATA SHEET

SDS PREPARATION DATE: 11/6/2015, Version 1

Section 1 - Identification

GHS product identifier	:	Pearl Mica
Chemical name	:	Mixture
Synonyms	:	Coatings
Product type	:	
Material use	:	Paint and Coatings
Supplier's details	:	Giani, Inc.
ADDRESS		2216 North Broadway St. Louis, MO 63102 Information (314) 241-7771
Emergency telephone number	:	CHEMTREC 800-424-9300 or 703-527-3887

Section 2 – Hazardous Identification

GHS Classification
According to Regulation 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
No need for classification according to GHS criteria for this product.

Physical hazards Serious Eye Damage - Category 1
Health hazards Not Classified
Environmental hazards Not Classified

Label Elements

Signal Word
Danger

Hazard Statement:
H318 Causes serious eye damage

Precautionary Statements: **Disposal**
P501 Dispose of contents/container according to applicable local, national, and international regulations.

Precautionary Statements: Prevention
P233 Keep container tightly closed.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.

Precautionary Statements: Response
P303+P361+P353 If on skin (or hair): Rinse skin with water/shower.
P370+P378 In case of fire: use recommended media to extinguish.
P304+P340 If Inhaled: Remove person to fresh air and keep comfortable for breathing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P312 Call a POISON CONTROL CENTER/doctor if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see supplemental first aid instruction on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary Statements: Storage
P403+P235 Store in a well-ventilated place. Keep cool.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Hazards not otherwise classified
No specific dangers known, if the regulations/notes for storage and handling are considered

Section 3 – Composition/information on ingredients

Component	Concentration	CAS number	GHS Symbols	GHS Statements
Water	66.08% - 71.08%	7732-18-5	N.A.	N.A
Vehicle	19.08% - 24.08%	non-hazardous proprietary	N.A.	N.A.
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	00.69% - 01.69%	9014-85-1	GHS05	H318
Polypropylene glycol	00.23% - 00.73%	25322-69-4	N.A.	N.A.
Propylene glycol	00.52% - 01.52%	57-55-6	N.A.	N.A.
Dipropylene glycol monomethyl ether	01.91% - 03.91%	34590-94-8	N.A.	N.A.
Titanium Dioxide	01.59% - 02.59%	13463-67-7	N.A.	N.A.
Mica-group minerals	05.33% - 07.33%	12001-26-2	N.A.	N.A.
Talc	03.72% - 04.72%	14807-96-6	N.A.	N.A.
Synthetic amorphous silica	00.85% - 01.85%	112926-00-8	N.A.	N.A.

All concentrations are percent by weight
The identity of components and / or exact percentage composition may have been withheld as a trade secret.

Section 4 - First Aid Measures

Description of first aid measures

General advice:
Remove contaminated clothing
If inhaled:
Remove the affected individual into fresh air and keep the person calm. Seek medical attention.
If on skin:
Wash thoroughly with soap and water. If irritation develops, seek medical attention.
If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.
If irritation develops, seek medical attention.
If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.
Most important symptoms and effects, both acute and delayed
Symptoms: The most important known symptoms and affects are described in the labeling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed
Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media	CO2, dry powder, dry sand, foam.
Unsuitable Extinguishing Media	Water in a jet
Flash Point	75 °C / 167 °F
Autoignition Temperature	207 °C / 405 °F
Explosion Limits	Not determined
Upper	14.0 vol%
Lower	1.1 vol%
Sensitivity to Mechanical Impact	None expected
Sensitivity to Static Discharge	None expected

Specific Hazards Arising from the substance or mixture
Hazards during fire-fighting:
Harmful vapors
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective Equipment and Precautions for Firefighters
Firefighters should be equipped with self-containing breathing apparatus and turn-out gear.

Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

NFPA

Health	Flammability	Instability	Physical hazards
2	1	0	

Section 6 - Accidental Release Measures

Further accidental release measures:
High risk of slipping due to leakage/spillage of product.

Personal Precautions Use personal protective clothing.

Environmental Precautions Do not discharge into drains/surface waters/ground water.

Methods for Containment and Clean up For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbent material in accordance with regulations.
For large amounts: Pump off product.

Section 7 - Handling and Storage


Handling

Wear personal protective equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using, do not eat, drink or smoke. Avoid release to the environment.

Storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Keep from freezing.

Section 8 - Exposure Controls, Personal Protection

Ingredients Occupational exposure limits:

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Dipropylene glycol Monomethyl ether	100 ppm	150 ppm	600 mg/m3	N.E.
Titanium Dioxide	10 mg/m3	N.E.	15 mg/m3 (dust)	N.E.
Talc	2 mg/m3	N.E.	2 mg/m3 (Respirable fraction)	N.E.
Mica-group minerals	3 mg/m3	N.E.	3 mg/m3 (Respirable dust)	N.E.

Personal Protective Equipment

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Chemical resistant protective gloves.

Eye Protection: Wear safety glasses with side shields (or goggles).

Other Protective Equipment: Wear protective clothing as necessary to minimize contact..

Hygienic Practices: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all SDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

Section 9 - Physical and Chemical Properties

Physical State	Liquid
Appearance	Translucent
Odor	odorless
Odor Threshold	No information available
pH	8.0 – 10.50
Melting Point/Range	No information available
Boiling Point/Range	100 °C / 212 °F
Flash Point (closed cup Setaflash)	75 °C / 167 °F
Evaporation Rate	Slower than ether
Flammability (solid,gas)	N.A.
Flammability or explosive limits	
Upper	14.0 vol%
Lower	01.1 vol%
Vapor Pressure mmHg @ 21°C	not determined
Vapor Density	Heavier than air
Relative Density	1.09
Formula Weight per Volume	9.19 Pound/Gallon
VOC g/l / lb./gallon	99.68 / 0.83
HAPS	0.00%
Percent Volatile by Weight	69.43%
Percent Volatile by Volume	75.40%
Solubility	soluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	405 °F / (207 °C)
Decomposition Temperature	*No information available*
Viscosity Krebs unit	60 – 70 ku

Section 10 - Stability and Reactivity

Reactive Hazard No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties Not an oxidizer.

Chemical Stability Stable if stored and handled as prescribed/indicated.

Conditions to Avoid See SDS section 7 – Handling and storage.

Incompatible Materials Strong oxidizing agents, Acids, Bases

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO2), Sulfur oxides

Thermal decomposition Stable up to boiling point.

Hazardous Reactions No hazardous reactions when stored and handled according to instructions.

Section 11 - Toxicological Information

Effect of Overexposure - inhalation: No adverse effects due to inhalation are expected.

Effect of Overexposure - skin contact: causes skin irritation. allergic reactions are possible. prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Effect of Overexposure - eye contact: liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Effect of overexposure - ingestion: this material may be harmful or fatal if swallowed. irritating to mouth, throat and stomach.
Primary route(s) of entry: eye contact, ingestion, inhalation, skin absorption, skin contact

STOT - Single Exposure
Based on single exposure toxicity values, not classified.

STOT - Repeated Exposure Target Organs:
Based on repeated exposure toxicity values, not classified.

Carcinogenicity: The information below indicates whether each agency has listed any ingredient as a carcinogen if present at levels greater than or equal to 0.1 %.

CAS-No.	Name	NTP	OSHA	IARC
13463-67-7	Titanium Dioxide	Not labeled by NTP	Not labeled by OSHA	group 2B

National Toxicological Program (NTP), Occupational Safety & Health Association (OSHA), International Agency for Research on Cancer (IARC) Group 1: Carcinogenic to Humans, Group 2A: Probably Carcinogenic to Humans, Group 2B: Possibly Carcinogenic to Humans, Group 3: Not Classifiable as to its Carcinogenicity to Humans

Acute Toxicity Values
The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Name	Oral LD50 (mg/kg)	Dermal LD50 (mg/kg)	Vapor LC50 (mg/L)
57-55-6	Propylene Glycol	>5000 (rat)	>2000 (rabbit)	4 h > 20 (rat)
9014-85-1	Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	6,300 (rat)	> 2,000 (rabbit)	1 h >20 (rabbit)
34590-94-8	dipropylene glycol monomethyl ether	>5,000 (rat)	9510 mg/kg (rabbit)	7 h 3.35 mg/l (rat)
25322-69-4	polypropylene glycol	681 (rat)	N.D.	N.D.
13463-67-7	Titanium Dioxide	> 5000 (rat)	> 5000 (rabbit)	4 h > 6.8 (rat)
12001-26-2	Mica-group minerals	> 2000 (rat)	N.D.	N.D.

Section 12 - Ecological Information

Ecotoxicity
Do not flush into surface water or sanitary sewer system.

Ecotoxicity Toxic to aquatic life. Based on acute aquatic toxicity values, not classified.

Toxicity to fish (Acute toxicity)	Low acute toxicity to fish
Toxicity to daphnia and other aquatic invertebrates (Acute toxicity)	Low acute toxicity to aquatic invertebrates.
Toxicity to algae (Acute toxicity)	Low toxicity to algae.
Toxicity to fish (Chronic toxicity)	Data not available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	Low chronic toxicity to aquatic invertebrates. Data not available
Toxicity to bacteria (Acute toxicity)	Low toxicity to sewage microbes.
Persistence and Degradability	Expected to be biodegradable
Bioaccumulation/ Accumulation	Not expected to bioaccumualte
Mobility	No information available

Section 13 - Disposal Considerations

Waste Disposal Methods

Waste disposal of substance: Dispose of contents/container in accordance with local/regional/national regulations. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste under RCRA.
Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14 - Transport Information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT – Not Regulated
DOT Proper Shipping Name: Paint Related Material Non Hazardous
DOT Hazard Class: Not Regulated
DOT UN/NA Number: Not Regulated
This material is not regulated as a dangerous good and can be shipped as a NON HAZARDOUS

Section 15 - Regulatory Information

FEDERAL REGULATIONS:
This product is considered non-hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200
CERCLA - SARA Hazard Category
This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
None
SARA 302 Extremely Hazardous Material: No
SARA 304 CERCLA Product

Chemical Name	CAS Number	Pct by Wt.	RQ (lbs)

This product contains no known chemicals regulated under SARA 302/304.
SARA 311/312 Not Hazardous
Acute Health Hazard
SARA (313) Components in concentrations above the de minimus levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements in section 313 of SARA.

Name	CAS-No.

This product contains no known chemicals regulated under SARA 313.
State Regulations

New Jersey right-to-know:

Propylene Glycol	57-55-6
Polypropylene glycol	25322-69-4
Titanium Dioxide	13463-67-7
Talc	14807-96-6
Mica-group minerals	12001-26-2

Pennsylvania right-to-know:

Propylene Glycol	57-55-6
Polypropylene glycol	25322-69-4
dipropylene glycol monomethyl ether	34590-94-8
Titanium Dioxide	13463-67-7
Talc	14807-96-6
Mica-group minerals	12001-26-2

Massachusetts right-to-know:

Titanium Dioxide	13463-67-7
Talc	14807-96-6
Mica-group minerals	12001-26-2

California Proposition 65 Carcinogens
Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS-No.	
Titanium Dioxide	13463-67-7	The listing is for titanium dioxide (airborne, unbound particles of respirable size) and does not cover titanium dioxide when it remains within a product matrix.

California Proposition 65 Reproductive Toxins
Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.
No Proposition 65 Reproductive Toxins exist in this product.

Toxic Substances Control Act:
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:
No TSCA 12(b) components exist in this product.

Country	Regulatory list	Notification
USA	TSCA	This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.
EU	EINECS	This product, or its components, are not listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).
Canada	DSL	This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).
Australia	AICS	This product, or its components, are listed on or are exempt from the Australian Chemical Substance List (AICS).
Japan	ENCS	This product, or its components, are not listed on or are exempt from the Japanese Chemical Substance List (ENCS)
South Korea	ECL	This product, or its components, are not listed on or are exempt from the Korean Chemical Substance List (ECL).
China	SEPA	This product, or its components, are listed on or are exempt from the Chinese Chemical Substance List (SEPA).
Philippines	PICCS	This product, or its components, are not listed on or are exempt from the Philippine Chemical Substance List (PICCS).

No other Regulatory Information!

Section 16 - Other Information

HMIS® Hazard Ratings: Health - 2, Flammability - 1, Physical Hazard – 0
HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

CONEG Heavy Metal: We confirm that we use packaging and/or packaging components in which the sum of the incidental concentration levels of lead, mercury, cadmium and hexavalent chromium do not exceed 100 parts per million by weight.

Prepared By Environmental, Health and Safety Department
Email: info@espinc.us

Creation Date 11/06/15
Revision Date
Print Date 11/06/15

replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Disclaimer
The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.
NON-WARRANTY: Any recommendation of Giani, Inc. contained herein covering use, utilization, chemical or physical properties and other qualities of the products sold is believed reliable; however, Giani, Inc. makes no warranty or representation with respect thereto. Use or application of any Giani, Inc. product is at the discretion of the Buyer without liability or obligation whatsoever of Giani, Inc.

Date: 11/6/15

SAFETY DATA SHEET

SDS PREPARATION DATE: 11/6/2015, Version 1

Section 1 - Identification

GHS product identifier	:	Inca Gold
Chemical name	:	Mixture
Synonyms	:	Coatings
Product type	:	
Material use	:	Paint and Coatings
Supplier's details	:	Giani, Inc.
ADDRESS		2216 North Broadway St. Louis, MO 63102 Information (314) 241-7771
Emergency telephone number	:	CHEMTREC 800-424-9300 or 703-527-3887

Section 2 – Hazardous Identification

GHS Classification
According to Regulation 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
No need for classification according to GHS criteria for this product.

Physical hazards Serious Eye Damage - Category 1
Health hazards Not Classified
Environmental hazards Not Classified

Label Elements

Signal Word
Danger

Hazard Statement:

H316	Causes mild skin irritation.
H318	Causes serious eye damage
H320	Causes eye irritation.
H335	May cause respiratory irritation.

Precautionary Statements: **Disposal**

P501	Dispose of contents/container according to applicable local, national, and international regulations.

Precautionary Statements: Prevention

P233	Keep container tightly closed.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.

Precautionary Statements: Response

P303+P361+P353	If on skin (or hair): Rinse skin with water/shower.
P370+P378	In case of fire: use recommended media to extinguish.
P304+P340	If Inhaled: Remove person to fresh air and keep comfortable for breathing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P312	Call a POISON CONTROL CENTER/doctor if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (see supplemental first aid instruction on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.

Precautionary Statements: Storage

P403+P235	Store in a well-ventilated place. Keep cool.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Hazards not otherwise classified
No specific dangers known, if the regulations/notes for storage and handling are considered

Section 3 – Composition/information on ingredients

Component	Concentration	CAS number	GHS Symbols	GHS Statements
Water	66.33% - 71.33%	7732-18-5	N.A.	N.A
Vehicle	18.49% - 23.49%	non-hazardous proprietary	N.A.	N.A.
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	00.67% - 01.67%	9014-85-1	GHS05	H318
Polypropylene glycol	00.22% - 00.72%	25322-69-4	N.A.	N.A.
Propylene glycol	00.63% - 01.63%	57-55-6	N.A.	N.A.
Dipropylene glycol monomethyl ether	01.72% - 03.72%	34590-94-8	N.A.	N.A.
Titanium Dioxide	06.72% - 10.72%	13463-67-7	N.A.	N.A.
Red Iron Oxide (Fe2O3)	00.08% - 02.08%	1309-37-1	N.A.	N.A.
C.I. pigment yellow 42	00.65% - 02.65%	51274-00-1	N.A.	N.A.
Carbon Black (amorphous)	00.05% - 00.99%	1333-86-4	N.A.	N.A.
Bentonite	00.07% - 00.17%	1302-78-9	N.A.	N.A.
Talc	03.55% - 04.55%	14807-96-6	N.A.	N.A.
Synthetic amorphous silica	00.82% - 01.82%	112926-00-8	N.A.	N.A.

All concentrations are percent by weight
The identity of components and / or exact percentage composition may have been withheld as a trade secret.

Section 4 - First Aid Measures

Description of first aid measures

General advice:
Remove contaminated clothing
If inhaled:
Remove the affected individual into fresh air and keep the person calm. Seek medical attention.
If on skin:
Wash thoroughly with soap and water. If irritation develops, seek medical attention.
If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.
If irritation develops, seek medical attention.
If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.
Most important symptoms and effects, both acute and delayed
Symptoms: The most important known symptoms and affects are described in the labeling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed
Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media	CO_2, dry powder, dry sand, foam.
Unsuitable Extinguishing Media	Water in a jet
Flash Point	75 °C / 167 °F
Autoignition Temperature	207 °C / 405 °F
Explosion Limits	Not determined
Upper	14.0 vol%
Lower	1.1 vol%
Sensitivity to Mechanical Impact	None expected
Sensitivity to Static Discharge	None expected

Specific Hazards Arising from the substance or mixture
Hazards during fire-fighting:
Harmful vapors
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective Equipment and Precautions for Firefighters
Firefighters should be equipped with self-containing breathing apparatus and turn-out gear.

Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

NFPA

Health	Flammability	Instability	Physical hazards
2	1	0	

Section 6 - Accidental Release Measures

Further accidental release measures:
High risk of slipping due to leakage/spillage of product.

Personal Precautions Use personal protective clothing.

Environmental Precautions Do not discharge into drains/surface waters/ground water.

Methods for Containment and Clean up For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbent material in accordance with regulations.
For large amounts: Pump off product.

Section 7 - Handling and Storage


Handling

Wear personal protective equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using, do not eat, drink or smoke. Avoid release to the environment.

Storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Keep from freezing.

Section 8 - Exposure Controls, Personal Protection

Ingredients Occupational exposure limits:

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Dipropylene glycol Monomethyl ether	100 ppm	150 ppm	600 mg/m3	N.E.
Titanium Dioxide	10 mg/m3	N.E.	15 mg/m3 (dust)	N.E.
Talc	2 mg/m3	N.E.	2 mg/m3 (Respirable fraction)	N.E.
Red Iron Oxide (Fe2O3)	5 mg/m3	N.E.	10 mg/m3	N.E.
C.I. pigment yellow 42	5 mg/m3 (respirable dust)	N.E.	5 mg/m3 (respirable dust)	N.E.
Carbon Black (amorphous)	3 mg/m3 (inhalable dust)	N.E.	3.5 mg/m3 (inhalable dust)	N.E.

Personal Protective Equipment

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Chemical resistant protective gloves.

Eye Protection: Wear safety glasses with side shields (or goggles).

Other Protective Equipment: Wear protective clothing as necessary to minimize contact..

Hygienic Practices: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all SDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

Section 9 - Physical and Chemical Properties

Physical State	Liquid
Appearance	Tan
Odor	odorless
Odor Threshold	No information available
pH	8.0 – 10.50
Melting Point/Range	No information available
Boiling Point/Range	100 °C / 212 °F
Flash Point (closed cup Setaflash)	75 °C / 167 °F
Evaporation Rate	Slower than ether
Flammability (solid,gas)	N.A.
Flammability or explosive limits	
Upper	14.0 vol%
Lower	01.1 vol%
Vapor Pressure mmHg @ 21°C	not determined
Vapor Density	Heavier than air
Relative Density	1.12
Formula Weight per Volume	9.30 Pound/Gallon
VOC g/l / lb./gallon	99.76 / 0.83
HAPS	0.00%
Percent Volatile by Weight	69.57%
Percent Volatile by Volume	76.20%
Solubility	soluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	405 °F / (207 °C)
Decomposition Temperature	*No information available*
Viscosity Krebs unit	60 – 70 ku

Section 10 - Stability and Reactivity

Reactive Hazard	No hazardous reactions if stored and handled as prescribed/indicated.
Oxidizing properties	Not an oxidizer.
Chemical Stability	Stable if stored and handled as prescribed/indicated.
Conditions to Avoid	See SDS section 7 – Handling and storage.
Incompatible Materials	Strong oxidizing agents, Acids, Bases
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO2), Sulfur oxides

Thermal decomposition Stable up to boiling point.

Hazardous Reactions No hazardous reactions when stored and handled according to instructions.

Section 11 - Toxicological Information

Effect of Overexposure - inhalation: No adverse effects due to inhalation are expected.

Effect of Overexposure - skin contact: causes skin irritation. allergic reactions are possible. prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Effect of Overexposure - eye contact: liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Effect of overexposure - ingestion: this material may be harmful or fatal if swallowed. irritating to mouth, throat and stomach.
Primary route(s) of entry: eye contact, ingestion, inhalation, skin absorption, skin contact

STOT - Single Exposure
Based on single exposure toxicity values, not classified.

STOT - Repeated Exposure Target Organs:
Based on repeated exposure toxicity values, not classified.

Carcinogenicity: The information below indicates whether each agency has listed any ingredient as a carcinogen if present at levels greater than or equal to 0.1 %.

CAS-No.	Name	NTP	OSHA	IARC
1333-86-4	Carbon Black	Not labeled by NTP	Not labeled by OSHA	Group 2B
13463-67-7	Titanium Dioxide	Not labeled by NTP	Not labeled by OSHA	Group 2B

National Toxicological Program (NTP), Occupational Safety & Health Association (OSHA), International Agency for Research on Cancer (IARC) Group 1: Carcinogenic to Humans, Group 2A: Probably Carcinogenic to Humans, Group 2B: Possibly Carcinogenic to Humans, Group 3: Not Classifiable as to its Carcinogenicity to Humans

Acute Toxicity Values
The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Name	Oral LD50 (mg/kg)	Dermal LD50 (mg/kg)	Vapor LC50 (mg/L)
57-55-6	Propylene Glycol	>5000 (rat)	>2000 (rabbit)	4 h > 20 (rat)
9014-85-1	Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	6,300 (rat)	> 2,000 (rabbit)	1 h >20 (rabbit)
34590-94-8	dipropylene glycol monomethyl ether	>5,000 (rat)	9510 mg/kg (rabbit)	7 h 3.35 mg/l (rat)
25322-69-4	polypropylene glycol	681 (rat)	N.D.	N.D.
13463-67-7	Titanium Dioxide	> 5000 (rat)	> 5000 (rabbit)	4 h > 6.8 (rat)
1333-86-4	Carbon Black (amorphous)	>8000 (rat)	N.D.	N.D.
1309-37-1	Red Iron Oxide (Fe2O3)	>5000 mg/l (rat)	5500 (rat)	N.D.

Section 12 - Ecological Information

Ecotoxicity
Do not flush into surface water or sanitary sewer system.

Ecotoxicity Toxic to aquatic life. Based on acute aquatic toxicity values, not classified.

Toxicity to fish (Acute toxicity)	Low acute toxicity to fish
Toxicity to daphnia and other aquatic invertebrates (Acute toxicity)	Low acute toxicity to aquatic invertebrates.
Toxicity to algae (Acute toxicity)	Low toxicity to algae.
Toxicity to fish (Chronic toxicity)	Data not available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	Low chronic toxicity to aquatic invertebrates. Data not available
Toxicity to bacteria (Acute toxicity)	Low toxicity to sewage microbes.
Persistence and Degradability	Expected to be biodegradable
Bioaccumulation/ Accumulation	Not expected to bioaccumualte
Mobility	No information available

Section 13 - Disposal Considerations

Waste Disposal Methods

Waste disposal of substance: Dispose of contents/container in accordance with local/regional/national regulations. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste under RCRA.
Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14 - Transport Information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT – Not Regulated
DOT Proper Shipping Name: Paint Related Material Non Hazardous
DOT Hazard Class: Not Regulated
DOT UN/NA Number: Not Regulated
This material is not regulated as a dangerous good and can be shipped as a NON HAZARDOUS

Section 15 - Regulatory Information

FEDERAL REGULATIONS:
This product is considered non-hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200
CERCLA - SARA Hazard Category
This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
None
SARA 302 Extremely Hazardous Material: No
SARA 304 CERCLA Product

Chemical Name	CAS Number	Pct by Wt.	RQ (lbs)

This product contains no known chemicals regulated under SARA 302/304.
SARA 311/312 Not Hazardous
Acute Health Hazard
SARA (313) Components in concentrations above the de minimus levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements in section 313 of SARA.

Name	CAS-No.

This product contains no known chemicals regulated under SARA 313.
State Regulations
New Jersey right-to-know:

Propylene Glycol	57-55-6
Polypropylene glycol	25322-69-4
Titanium Dioxide	13463-67-7
Talc	14807-96-6
Red Iron Oxide (Fe2O3)	1309-37-1
Carbon Black (amorphous)	1333-86-4

Pennsylvania right-to-know:

Propylene Glycol	57-55-6
Polypropylene glycol	25322-69-4
dipropylene glycol monomethyl ether	34590-94-8
Titanium Dioxide	13463-67-7
Talc	14807-96-6
Red Iron Oxide (Fe2O3)	1309-37-1
Carbon Black (amorphous)	1333-86-4

Massachusetts right-to-know:

Titanium Dioxide	13463-67-7
Talc	14807-96-6
Red Iron Oxide (Fe2O3)	1309-37-1
Carbon Black (amorphous)	1333-86-4

California Proposition 65 Carcinogens

Warning: This product contains, or may contain trace quantities of a substance known to the state of California to cause Cancer not limited to any that may be listed below:

Chemical Name	CAS-No.	
Titanium Dioxide	13463-67-7	The listing is for titanium dioxide (airborne, unbound particles of respirable size) and does not cover titanium dioxide when it remains within a product matrix.
Carbon black	1333-86-4	The listing is for carbon black (airborne, unbound particles of respirable size) and does not cover carbon black when it remains within a product matrix.

California Proposition 65 Reproductive Toxins

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.
No Proposition 65 Reproductive Toxins exist in this product.

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:
No TSCA 12(b) components exist in this product.

Country	Regulatory list	Notification
USA	TSCA	This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.
EU	EINECS	This product, or its components, are not listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).
Canada	DSL	This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).
Australia	AICS	This product, or its components, are listed on or are exempt from the Australian Chemical Substance List (AICS).
Japan	ENCS	This product, or its components, are not listed on or are exempt from the Japanese Chemical Substance List (ENCS)
South Korea	ECL	This product, or its components, are not listed on or are exempt from the Korean Chemical Substance List (ECL).
China	SEPA	This product, or its components, are listed on or are exempt from the Chinese Chemical Substance List (SEPA).
Philippines	PICCS	This product, or its components, are not listed on or are exempt from the Philippine Chemical Substance List (PICCS).

No other Regulatory Information!

Section 16 - Other Information

HMIS® Hazard Ratings: Health - 2, Flammability - 1, Physical Hazard – 0

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

CONEG Heavy Metal: We confirm that we use packaging and/or packaging components in which the sum of the incidental concentration levels of lead, mercury, cadmium and hexavalent chromium do not exceed 100 parts per million by weight.

Prepared By Environmental, Health and Safety Department
Email: info@espinc.us

Creation Date 11/06/15
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replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

NON-WARRANTY: Any recommendation of Giani, Inc. contained herein covering use, utilization, chemical or physical properties and other qualities of the products sold is believed reliable; however, Giani, Inc. makes no warranty or representation with respect thereto. Use or application of any Giani, Inc. product is at the discretion of the Buyer without liability or obligation whatsoever of Giani, Inc.

Date: 11/6/15

SAFETY DATA SHEET

SDS PREPARATION DATE: 11/6/2015, Version 1

Section 1 - Identification

GHS product identifier	:	White Limestone
Chemical name	:	Mixture
Synonyms	:	Coatings
Product type	:	
Material use	:	Paint and Coatings
Supplier's details	:	Giani, Inc.
ADDRESS		2216 North Broadway St. Louis, MO 63102 Information (314) 241-7771
Emergency telephone number	:	CHEMTREC 800-424-9300 or 703-527-3887

Section 2 – Hazardous Identification

GHS Classification
According to Regulation 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
No need for classification according to GHS criteria for this product.

Physical hazards Serious Eye Damage - Category 1
Health hazards Not Classified
Environmental hazards Not Classified
Label Elements

Signal Word
Danger

Hazard Statement:
H318 Causes serious eye damage
Precautionary Statements: **Disposal**
P501 Dispose of contents/container according to applicable local, national, and international regulations.
Precautionary Statements: Prevention
P233 Keep container tightly closed.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.

Precautionary Statements: Response
P303+P361+P353 If on skin (or hair): Rinse skin with water/shower.
P370+P378 In case of fire: use recommended media to extinguish.
P304+P340 If Inhaled: Remove person to fresh air and keep comfortable for breathing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P312 Call a POISON CONTROL CENTER/doctor if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see supplemental first aid instruction on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
Precautionary Statements: Storage
P403+P235 Store in a well-ventilated place. Keep cool.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Hazards not otherwise classified
No specific dangers known, if the regulations/notes for storage and handling are considered

Section 3 – Composition/information on ingredients

Component	Concentration	CAS number	GHS Symbols	GHS Statements
Water	66.94% - 71.94%	7732-18-5	N.A.	N.A
Vehicle	19.22% - 24.22%	non-hazardous proprietary	N.A.	N.A.
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	00.69% - 01.69%	9014-85-1	GHS05	H318
Polypropylene glycol	00.23% - 00.73%	25322-69-4	N.A.	N.A.
Propylene glycol	00.54% - 01.54%	57-55-6	N.A.	N.A.
Dipropylene glycol monomethyl ether	01.82% - 03.82%	34590-94-8	N.A.	N.A.
Titanium Dioxide	04.93% - 09.93%	13463-67-7	N.A.	N.A.
Bentonite	00.06% - 00.16%	1302-78-9	N.A.	N.A.
Talc	03.71% - 04.71%	14807-96-6	N.A.	N.A.
Synthetic amorphous silica	00.84% - 01.84%	112926-00-8	N.A.	N.A.

All concentrations are percent by weight
The identity of components and / or exact percentage composition may have been withheld as a trade secret.

Section 4 - First Aid Measures

Description of first aid measures

General advice:
Remove contaminated clothing
If inhaled:
Remove the affected individual into fresh air and keep the person calm. Seek medical attention.
If on skin:
Wash thoroughly with soap and water. If irritation develops, seek medical attention.
If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.
If irritation develops, seek medical attention.
If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.
Most important symptoms and effects, both acute and delayed
Symptoms: The most important known symptoms and affects are described in the labeling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed
Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media	CO2, dry powder, dry sand, foam.
Unsuitable Extinguishing Media	Water in a jet
Flash Point	75 °C / 167 °F
Autoignition Temperature	207 °C / 405 °F
Explosion Limits	Not determined
Upper	14.0 vol%
Lower	1.1 vol%
Sensitivity to Mechanical Impact	None expected
Sensitivity to Static Discharge	None expected

Specific Hazards Arising from the substance or mixture
Hazards during fire-fighting:
Harmful vapors
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective Equipment and Precautions for Firefighters
Firefighters should be equipped with self-containing breathing apparatus and turn-out gear.

Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

NFPA

Health	Flammability	Instability	Physical hazards
2	1	0	

Section 6 - Accidental Release Measures

Further accidental release measures:
High risk of slipping due to leakage/spillage of product.

Personal Precautions Use personal protective clothing.

Environmental Precautions Do not discharge into drains/surface waters/ground water.

Methods for Containment and Clean up For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbent material in accordance with regulations.
For large amounts: Pump off product.

Section 7 - Handling and Storage


Handling

Wear personal protective equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using, do not eat, drink or smoke. Avoid release to the environment.

Storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Keep from freezing.

Section 8 - Exposure Controls, Personal Protection

Ingredients Occupational exposure limits:

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Dipropylene glycol Monomethyl ether	100 ppm	150 ppm	600 mg/m3	N.E.
Titanium Dioxide	10 mg/m3	N.E.	15 mg/m3 (dust)	N.E.
Talc	2 mg/m3	N.E.	2 mg/m3 (Respirable fraction)	N.E.

Personal Protective Equipment
Engineering Controls: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Chemical resistant protective gloves.

Eye Protection: Wear safety glasses with side shields (or goggles).

Other Protective Equipment: Wear protective clothing as necessary to minimize contact..

Hygienic Practices: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all SDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

Section 9 - Physical and Chemical Properties

Physical State	Liquid
Appearance	Translucent
Odor	odorless
Odor Threshold	No information available
pH	8.0 – 10.50
Melting Point/Range	No information available
Boiling Point/Range	100 °C / 212 °F
Flash Point (closed cup Setaflash)	75 °C / 167 °F
Evaporation Rate	Slower than ether
Flammability (solid,gas)	N.A.
Flammability or explosive limits	
Upper	14.0 vol%
Lower	01.1 vol%
Vapor Pressure mmHg @ 21°C	not determined
Vapor Density	Heavier than air
Relative Density	1.09
Formula Weight per Volume	9.11 Pound/Gallon
VOC g/l / lb./gallon	99.68 / 0.83
HAPS	0.00%
Percent Volatile by Weight	71.24%
Percent Volatile by Volume	76.50%
Solubility	soluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	405 °F / (207 °C)
Decomposition Temperature	*No information available*
Viscosity Krebs unit	60 – 70 ku

Section 10 - Stability and Reactivity

Reactive Hazard No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties Not an oxidizer.

Chemical Stability Stable if stored and handled as prescribed/indicated.

Conditions to Avoid See SDS section 7 – Handling and storage.

Incompatible Materials Strong oxidizing agents, Acids, Bases

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO2), Sulfur oxides

Thermal decomposition Stable up to boiling point.

Hazardous Reactions No hazardous reactions when stored and handled according to instructions.

Section 11 - Toxicological Information

Effect of Overexposure - inhalation: No adverse effects due to inhalation are expected.

Effect of Overexposure - skin contact: causes skin irritation. allergic reactions are possible. prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Effect of Overexposure - eye contact: liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Effect of overexposure - ingestion: this material may be harmful or fatal if swallowed. irritating to mouth, throat and stomach.
Primary route(s) of entry: eye contact, ingestion, inhalation, skin absorption, skin contact

STOT - Single Exposure
Based on single exposure toxicity values, not classified.

STOT - Repeated Exposure Target Organs:
Based on repeated exposure toxicity values, not classified.

Carcinogenicity: The information below indicates whether each agency has listed any ingredient as a carcinogen if present at levels greater than or equal to 0.1 %.

CAS-No.	Name	NTP	OSHA	IARC
13463-67-7	Titanium Dioxide	Not labeled by NTP	Not labeled by OSHA	Group 2B

National Toxicological Program (NTP), Occupational Safety & Health Association (OSHA), International Agency for Research on Cancer (IARC) Group 1: Carcinogenic to Humans, Group 2A: Probably Carcinogenic to Humans, Group 2B: Possibly Carcinogenic to Humans, Group 3: Not Classifiable as to its Carcinogenicity to Humans

Acute Toxicity Values
The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Name	Oral LD50 (mg/kg)	Dermal LD50 (mg/kg)	Vapor LC50 (mg/L)
57-55-6	Propylene Glycol	>5000 (rat)	>2000 (rabbit)	4 h > 20 (rat)
9014-85-1	Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	6,300 (rat)	> 2,000 (rabbit)	1 h >20 (rabbit)
34590-94-8	dipropylene glycol monomethyl ether	>5,000 (rat)	9510 mg/kg (rabbit)	7 h 3.35 mg/l (rat)
25322-69-4	polypropylene glycol	681 (rat)	N.D.	N.D.
13463-67-7	Titanium Dioxide	> 5000 (rat)	> 5000 (rabbit)	4 h > 6.8 (rat)

Section 12 - Ecological Information

Ecotoxicity
Do not flush into surface water or sanitary sewer system.

Ecotoxicity Toxic to aquatic life. Based on acute aquatic toxicity values, not classified.

Toxicity to fish (Acute toxicity)	Low acute toxicity to fish
Toxicity to daphnia and other aquatic invertebrates (Acute toxicity)	Low acute toxicity to aquatic invertebrates.
Toxicity to algae (Acute toxicity)	Low toxicity to algae.
Toxicity to fish (Chronic toxicity)	Data not available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	Low chronic toxicity to aquatic invertebrates. Data not available
Toxicity to bacteria (Acute toxicity)	Low toxicity to sewage microbes.
Persistence and Degradability	Expected to be biodegradable
Bioaccumulation/ Accumulation	Not expected to bioaccumualte
Mobility	No information available

Section 13 - Disposal Considerations

Waste Disposal Methods

Waste disposal of substance: Dispose of contents/container in accordance with local/regional/national regulations. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste under RCRA.

Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14 - Transport Information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT – Not Regulated
DOT Proper Shipping Name: Paint Related Material Non Hazardous
DOT Hazard Class: Not Regulated
DOT UN/NA Number: Not Regulated
This material is not regulated as a dangerous good and can be shipped as a NON HAZARDOUS

Section 15 - Regulatory Information

FEDERAL REGULATIONS:
This product is considered non-hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200
CERCLA - SARA Hazard Category
This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
None
SARA 302 Extremely Hazardous Material: No
SARA 304 CERCLA Product

Chemical Name	CAS Number	Pct by Wt.	RQ (lbs)

This product contains no known chemicals regulated under SARA 302/304.
SARA 311/312 Not Hazardous
Acute Health Hazard
SARA (313) Components in concentrations above the de minimus levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements in section 313 of SARA.

Name	CAS-No.

This product contains no known chemicals regulated under SARA 313.
State Regulations
New Jersey right-to-know:

Propylene Glycol	57-55-6
Polypropylene glycol	25322-69-4
Titanium Dioxide	13463-67-7
Talc	14807-96-6

Pennsylvania right-to-know:

Propylene Glycol	57-55-6
Polypropylene glycol	25322-69-4
dipropylene glycol monomethyl ether	34590-94-8
Titanium Dioxide	13463-67-7
Talc	14807-96-6

Massachusetts right-to-know:

Titanium Dioxide	13463-67-7
Talc	14807-96-6

California Proposition 65 Carcinogens
Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS-No.	
Titanium Dioxide	13463-67-7	The listing is for titanium dioxide (airborne, unbound particles of respirable size) and does not cover titanium dioxide when it remains within a product matrix.

California Proposition 65 Reproductive Toxins
Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.
No Proposition 65 Reproductive Toxins exist in this product.

Toxic Substances Control Act:
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:
No TSCA 12(b) components exist in this product.

Country	Regulatory list	Notification
USA	TSCA	This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.
EU	EINECS	This product, or its components, are not listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).
Canada	DSL	This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).
Australia	AICS	This product, or its components, are listed on or are exempt from the Australian Chemical Substance List (AICS).
Japan	ENCS	This product, or its components, are not listed on or are exempt from the Japanese Chemical Substance List (ENCS)
South Korea	ECL	This product, or its components, are not listed on or are exempt from the Korean Chemical Substance List (ECL).
China	SEPA	This product, or its components, are listed on or are exempt from the Chinese Chemical Substance List (SEPA).
Philippines	PICCS	This product, or its components, are not listed on or are exempt from the Philippine Chemical Substance List (PICCS).

No other Regulatory Information!

Section 16 - Other Information

HMIS® Hazard Ratings: Health - 2, Flammability - 1, Physical Hazard – 0

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

CONEG Heavy Metal: We confirm that we use packaging and/or packaging components in which the sum of the incidental concentration levels of lead, mercury, cadmium and hexavalent chromium do not exceed 100 parts per million by weight.

Prepared By Environmental, Health and Safety Department
Email: info@espinc.us

Creation Date 11/06/15
Revision Date
Print Date 11/06/15

replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

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Date: 11/6/15

SAFETY DATA SHEET

SDS PREPARATION DATE: 11/6/2015, Version 1

Section 1 - Identification

GHS product identifier	:	Clear Topcoat
Chemical name	:	Mixture
Synonyms	:	Coatings
Product type	:	
Material use	:	Paint and Coatings
Supplier's details	:	Giani, Inc.
ADDRESS		2216 North Broadway St. Louis, MO 63102 Information (314) 241-7771
Emergency telephone number	:	CHEMTREC 800-424-9300 or 703-527-3887

Section 2 – Hazardous Identification

GHS Classification
According to Regulation 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
No need for classification according to GHS criteria for this product.

Physical hazards Serious Eye Damage - Category 1
Health hazards Not Classified
Environmental hazards Not Classified

Label Elements

Signal Word
Warning

Hazard Statement:
H318 Causes serious eye damage

Precautionary Statements: **Disposal**
P501 Dispose of contents/container according to applicable local, national, and international regulations.

Precautionary Statements: Prevention
P233 Keep container tightly closed.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.

Precautionary Statements: Response
P303+P361+P353 If on skin (or hair): Rinse skin with water/shower.
P370+P378 In case of fire: use recommended media to extinguish.
P304+P340 If Inhaled: Remove person to fresh air and keep comfortable for breathing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P312 Call a POISON CONTROL CENTER/doctor if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see supplemental first aid instruction on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary Statements: Storage
P403+P235 Store in a well-ventilated place. Keep cool.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Hazards not otherwise classified
No specific dangers known, if the regulations/notes for storage and handling are considered

Section 3 – Composition/information on ingredients

Component	Concentration	CAS number	GHS Symbols	GHS Statements
Water	59.90% - 64.90%	7732-18-5	N.A.	N.A
Vehicle	35.52% - 40.52%	non-hazardous proprietary	N.A.	N.A.
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	00.68% - 01.68%	9014-85-1	GHS05	H318
polypropylene glycol	00.34% - 00.84%	25322-69-4	N.A.	N.A.
propylene glycol	00.30% - 02.30%	57-55-6	N.A.	N.A.
dipropylene glycol monomethyl ether	03.35% - 05.35%	34590-94-8	N.A.	N.A.

All concentrations are percent by weight
The identity of components and / or exact percentage composition may have been withheld as a trade secret.

Section 4 - First Aid Measures

Description of first aid measures

General advice:
Remove contaminated clothing
If inhaled:
Remove the affected individual into fresh air and keep the person calm. Seek medical attention.
If on skin:
Wash thoroughly with soap and water. If irritation develops, seek medical attention.
If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.
If irritation develops, seek medical attention.
If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.
Most important symptoms and effects, both acute and delayed
Symptoms: The most important known symptoms and affects are described in the labeling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed
Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media	CO2, dry powder, dry sand, foam.
Unsuitable Extinguishing Media	Water in a jet
Flash Point	75 °C / 167 °F
Autoignition Temperature	207 °C / 405 °F
Explosion Limits	Not determined
Upper	14.0 vol%
Lower	1.1 vol%
Sensitivity to Mechanical Impact	None expected
Sensitivity to Static Discharge	None expected

Specific Hazards Arising from the substance or mixture
Hazards during fire-fighting:
Harmful vapors
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective Equipment and Precautions for Firefighters
Firefighters should be equipped with self-containing breathing apparatus and turn-out gear.

Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

NFPA

Health	Flammability	Instability	Physical hazards
2	1	0	

Section 6 - Accidental Release Measures

Further accidental release measures:
High risk of slipping due to leakage/spillage of product.

Personal Precautions Use personal protective clothing.

Environmental Precautions Do not discharge into drains/surface waters/ground water.

Methods for Containment and Clean up For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbent material in accordance with regulations.
For large amounts: Pump off product.

Section 7 - Handling and Storage


Handling

Wear personal protective equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using, do not eat, drink or smoke. Avoid release to the environment.

Storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Keep from freezing.

Section 8 - Exposure Controls, Personal Protection

Ingredients Occupational exposure limits:

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Dipropylene glycol Monomethyl ether	100 ppm	150 ppm	600 mg/m3	N.D.

Personal Protective Equipment

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Chemical resistant protective gloves.

Eye Protection: Wear safety glasses with side shields (or goggles).

Other Protective Equipment: Wear protective clothing as necessary to minimize contact..

Hygienic Practices: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all SDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

Section 9 - Physical and Chemical Properties

Physical State	Liquid
Appearance	Translucent
Odor	odorless
Odor Threshold	No information available
pH	8.0 – 10.50
Melting Point/Range	No information available
Boiling Point/Range	100 °C / 212 °F
Flash Point (closed cup Setaflash)	75 °C / 167 °F
Evaporation Rate	Slower than ether
Flammability (solid,gas)	N.A.
Flammability or explosive limits	
Upper	14.0 vol%
Lower	01.1 vol%
Vapor Pressure mmHg @ 21°C	not determined
Vapor Density	Heavier than air
Relative Density	1.03
Formula Weight per Volume	8.59 Pound/Gallon
VOC g/l / lb./gallon	98.41 / 0.82
HAPS	0.00%
Percent Volatile by Weight	64.48%
Percent Volatile by Volume	65.40%
Solubility	soluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	405 °F / (207 °C)
Decomposition Temperature	*No information available*
Viscosity Krebs unit	50 – 60 ku

Section 10 - Stability and Reactivity

Reactive Hazard No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties Not an oxidizer.

Chemical Stability Stable if stored and handled as prescribed/indicated.

Conditions to Avoid See SDS section 7 – Handling and storage.

Incompatible Materials Strong oxidizing agents, Acids, Bases

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO2), Sulfur oxides

Thermal decomposition Stable up to boiling point.

Hazardous Reactions No hazardous reactions when stored and handled according to instructions.

Section 11 - Toxicological Information

Effect of Overexposure - inhalation: No adverse effects due to inhalation are expected.

Effect of Overexposure - skin contact: causes skin irritation. allergic reactions are possible. prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Effect of Overexposure - eye contact: liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Effect of overexposure - ingestion: this material may be harmful or fatal if swallowed. irritating to mouth, throat and stomach.
Primary route(s) of entry: eye contact, ingestion, inhalation, skin absorption, skin contact

STOT - Single Exposure
Based on single exposure toxicity values, not classified.

STOT - Repeated Exposure Target Organs:
Based on repeated exposure toxicity values, not classified.

Carcinogenicity: The information below indicates whether each agency has listed any ingredient as a carcinogen if present at levels greater than or equal to 0.1 %.

CAS-No.	Name	NTP	OSHA	IARC
none				

National Toxicological Program (NTP), Occupational Safety & Health Association (OSHA), International Agency for Research on Cancer (IARC) Group 1: Carcinogenic to Humans, Group 2A: Probably Carcinogenic to Humans, Group 2B: Possibly Carcinogenic to Humans, Group 3: Not Classifiable as to its Carcinogenicity to Humans

Acute Toxicity Values
The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Name	Oral LD50 (mg/kg)	Dermal LD50 (mg/kg)	Vapor LC50 (mg/L)
57-55-6	Propylene Glycol	>5000 (rat)	>2000 (rabbit)	4 h > 20 (rat)
9014-85-1	Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	6,300 (rat)	> 2,000 (rabbit)	1 h >20 (rabbit)
34590-94-8	dipropylene glycol monomethyl ether	>5,000 (rat)	9510 mg/kg (rabbit)	7 h 3.35 mg/l (rat)
25322-69-4	polypropylene glycol	681 (rat)	N.D.	N.D.

Section 12 - Ecological Information

Ecotoxicity
Do not flush into surface water or sanitary sewer system.

Ecotoxicity Toxic to aquatic life. Based on acute aquatic toxicity values, not classified.

Toxicity to fish (Acute toxicity)	Low acute toxicity to fish
Toxicity to daphnia and other aquatic invertebrates (Acute toxicity)	Low acute toxicity to aquatic invertebrates.
Toxicity to algae (Acute toxicity)	Low toxicity to algae.
Toxicity to fish (Chronic toxicity)	Data not available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	Low chronic toxicity to aquatic invertebrates. Data not available
Toxicity to bacteria (Acute toxicity)	Low toxicity to sewage microbes.
Persistence and Degradability	Expected to be biodegradable
Bioaccumulation/ Accumulation	Not expected to bioaccumualte
Mobility	No information available

Section 13 - Disposal Considerations

Waste Disposal Methods

Waste disposal of substance: Dispose of contents/container in accordance with local/regional/national regulations. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste under RCRA.
Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14 - Transport Information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT – Not Regulated
DOT Proper Shipping Name: Paint Related Material Non Hazardous
DOT Hazard Class: Not Regulated
DOT UN/NA Number: Not Regulated

This material is not regulated as a dangerous good and can be shipped as a NON HAZARDOUS

Section 15 - Regulatory Information

FEDERAL REGULATIONS:
This product is considered non-hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200
CERCLA - SARA Hazard Category
This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
None
SARA 302 Extremely Hazardous Material: No
SARA 304 CERCLA Product

Chemical Name	CAS Number	Pct by Wt.	RQ (lbs)

This product contains no known chemicals regulated under SARA 302/304.
SARA 311/312 Not Hazardous
Acute Health Hazard
SARA (313) Components in concentrations above the de minimus levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements in section 313 of SARA.

Name	CAS-No.

This product contains no known chemicals regulated under SARA 313.
State Regulations

New Jersey right-to-know:	
Propylene Glycol	57-55-6
Polypropylene glycol	25322-69-4

Pennsylvania right-to-know:	
Propylene Glycol	57-55-6
Polypropylene glycol	25322-69-4
dipropylene glycol monomethyl ether	34590-94-8

California Proposition 65 Carcinogens
Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS-No.

No Proposition 65 carcinogens exist in this product.

California Proposition 65 Reproductive Toxins
Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.
No Proposition 65 Reproductive Toxins exist in this product.

Toxic Substances Control Act:
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:
No TSCA 12(b) components exist in this product.

Country	Regulatory list	Notification
USA	TSCA	This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.
EU	EINECS	This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).
Canada	DSL	This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).
Australia	AICS	This product, or its components, are listed on or are exempt from the Australian Chemical Substance List (AICS).
Japan	ENCS	This product, or its components, are not listed on or are exempt from the Japanese Chemical Substance List (ENCS)
South Korea	ECL	This product, or its components, are not listed on or are exempt from the Korean Chemical Substance List (ECL).
China	SEPA	This product, or its components, are listed on or are exempt from the Chinese Chemical Substance List (SEPA).
Philippines	PICCS	This product, or its components, are not listed on or are exempt from the Philippine Chemical Substance List (PICCS).

No other Regulatory Information!

Section 16 - Other Information

HMIS® Hazard Ratings: Health - 2, Flammability - 1, Physical Hazard – 0

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

CONEG Heavy Metal: We confirm that we use packaging and/or packaging components in which the sum of the incidental concentration levels of lead, mercury, cadmium and hexavalent chromium do not exceed 100 parts per million by weight.

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replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Disclaimer
The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.
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